

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01R1/073 B25J9/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R B25J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 449 884 A (MOTODA KENRO) 22 May 1984 (1984-05-22) the whole document	1-5, 7-22, 24-36, 39-46, 49
X	US 6 396 257 B1 (BAKER DAVID A ET AL) 28 May 2002 (2002-05-28) the whole document	1, 2, 4-9, 11, 12, 14-18 23
Y	DE 102 30 021 C (DAIMLER CHRYSLER AG) 10 July 2003 (2003-07-10) abstract; figure 1	1-5, 7-22, 24-36, 41, 46, 49 23
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

14 January 2005

Date of mailing of the international search report

31/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 448 797 B1 (HOLT ALYN R ET AL) 10 September 2002 (2002-09-10) column 10, line 6 - line 26; figures 1-10 -----	1-19, 36, 41, 46, 49
X	US 5 390 104 A (FULTON FRANCIS M) 14 February 1995 (1995-02-14) column 16, line 26 - line 31; figures 14, 14a -----	1, 11, 20, 29, 36, 41, 46, 49
X	US 4 695 024 A (HAVEN KENNETH R) 22 September 1987 (1987-09-22) the whole document -----	1-9, 12-18
X	US 5 149 029 A (SMITH NATHAN R) 22 September 1992 (1992-09-22) cited in the application column 6, line 55 - column 7, line 33; figures 9, 10 -----	36-38, 41, 46, 47, 49, 50
X	FR 2 806 025 A1 (SALESSE CHRISTIAN) 14 September 2001 (2001-09-14) page 8, line 33 - page 9, line 14; figure 1 -----	36, 39-46, 48, 49, 51, 52
X	DE 197 23 720 A (VOLKSWAGENWERK AG ; MANNESMANN AG (DE)) 3 December 1998 (1998-12-03) column 1, line 67 - column 3, line 52; figure 1 -----	36, 41, 46, 49, 52

INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/US2004/025172

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